MCO 1510.117
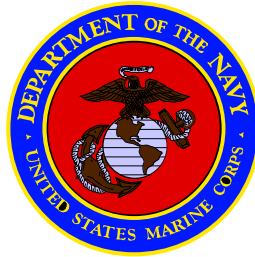
Individual Training Standards (ITS) System for

COMMAND AND CONTROL SYSTEMS OFFICER

OCCFLD 06

Signed 12 Apr 00

T. S. JONES

By direction

MARINE CORPS ORDER 1510.117

From: Commandant of the Marine Corps
To: Distribution List

Subj: INDIVIDUAL TRAINING STANDARDS (ITS) SYSTEM FOR THE COMMAND AND CONTROL SYSTEMS
      OFFICER OCCUPATIONAL FIELD (OCCFLD) 06

Ref: (a) MCO 1510.34A
      (b) MCO 1553.1B
      (c) MCO 1553.2
      (d) MCO 1553.3
      (e) MCO 3500.27

Encl: (1) Description of an Individual Training Standard
      (2) Management of Individual Training Standards
      (3) Summary/Index of Individual Training Standards
      (4) Common Individual Training Standards
      (5) Training Support
      (6) Individual Training Standards
      (7) Summary/Index of Individual Training Standards by Specific Category (MOJT,
          DL, PST)

1. Purpose. To publish the Individual Training Standards (ITS) at enclosures (1)
through (7) for OccFld 06.

2. Background

    a. The references establish the system used to publish all training standards,
provide policy, and assign training responsibilities, especially as applied to the
Systems Approach to Training (SAT).

    b. ITSs establish the training requirements for all Marines in the same
occupational field (OccFld), Military Occupational Specialty (MOS), or billet. They
provide a foundation upon which unit commanders, Functional Learning Center (FLC)
directors, and distance learning (DL) developers build training packages for individual
Marines as part of unit training plans or formal courses of instruction.

    c. ITSs represent the skills that contribute to the unit mission as expressed in
the Mission Performance Standards (MPS). Changes to doctrine or force structure or the
introduction of new weapons or equipment may necessitate revision of this Order.

3. Information

    a. ITSs are used by unit commanders, FLC directors, and DL developers to design,
develop, conduct, and evaluate the individual training of Marines. Unit commanders are
responsible for the sustainment of all individual tasks that have been deemed, through
analysis, to support the unit's Mission Essential Task List (METL). Unit commanders
can, therefore, use the tasks contained in this Order as the basis of individual
training through Managed On-the-Job Training (MOJT), instruction in unit-level schools,
or incorporation in their training plans. FLC directors and DL developers will derive
Terminal Learning Objectives (TLO) and Enabling Learning Objectives (ELO) from the

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tasks, conditions, standards, and performance steps of each associated ITS. Task lists reported on Course Descriptive Data (CDD) submissions will consist of tasks contained in this Order that are designated for training at the appropriate level in the FLC. Task lists reported on Distance Learning Descriptive Data (DLDD) submissions will consist of tasks contained in this Order that are designated for DL training at the appropriate level.

    b. Unit commanders and FLC directors are responsible for reviewing their training programs per reference (e) and making interventions that reduce risk to acceptable levels.

4. Action

    a. CG MCCDC

    (1) Ensure all FLCs use this Order to train personnel to the standards required by grade and MOS.

    (2) Ensure the Marine Corps Institute (MCI) and the Training and Audiovisual Support Centers (TAVSC) provide standardized performance support tools (PST) and other training support requirements to facilitate training in units.

    (3) Review, revise, and manage the upkeep of this Order in coordination with Operating Force and Supporting Establishment commanders and MOS Specialists/OccFld Managers.

    (4) Ensure the Combat Development System identifies and mitigates the impact on training, by MOS and ITS, of all new equipment.

    b. Commanding Generals of the Marine Forces and Supporting Establishment Commands and Commanders of Separate Organizations not Commanded by a General Officer

    (1) Use this Order as the basis for individual training.

    (2) Conduct MOJT programs and/or instruction in unit level schools to satisfy initial, sustainment, and refresher training requirements in so far as the tasks support unit mission requirements.

5. Submission of Recommendations and Requirements. Recommendations concerning the content of this Order are invited. Submit recommendations for additions, deletions, or modifications to CG MCCDC (C461) via the chain of command.

6. Reserve Applicability. This Order is applicable to the Marine Corps Reserve.

                                        T. S. JONES
                                        By direction

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DESCRIPTION OF AN INDIVIDUAL TRAINING STANDARD

1. <u>ITS Designator</u>. Each ITS has a unique three-part identifier that represents an MOS (or billet), a duty (or functional) area within that MOS, and a specific task included in that duty area. Each part is separated by periods. An example of an ITS Designator is 0311.02.08.

    a. The first four positions ("0311" in the example above) represent the MOS or billet. For any ITS associated with an official MOS, the four digits must be identical to those assigned to the MOS in MCO P1200.7 (MOS Manual).

    b. The middle two positions ("02" in the example above) represent the duty or functional area. Duty areas within a given MOS are assigned Arabic numerals. Duty areas 1 through 9 are always preceded by a leading zero. In the example above, "02" represents the second duty area under MOS 0311.

    c. The last two positions ("08" in the example above) represent a specific task. Tasks within a specific duty or functional area are assigned Arabic numerals. Tasks 1 through 9 are always preceded by a leading zero. In the example above, "08" represents one task within the second duty area under MOS 0311.

2. <u>ITS Components</u>. There are six basic components of an ITS, five of which are mandatory:

    a. <u>Task</u>. The task describes a specific and necessary behavior expected of a Marine in a particular MOS or billet. It is a clearly stated, performance-oriented action requiring a learned skill. Skills that "make" a Marine or qualify that Marine for an MOS are designated as "Core." Those advanced skills that are mission, grade, or billet specific are designated as "Core Plus."

    b. <u>Condition(s)</u>. This portion of the ITS describes the equipment, manuals, assistance/supervision, special physical demands, environmental conditions, and location affecting a Marine's performance of the task under real-world circumstances.

    c. <u>Standard(s)</u>. This portion of the ITS describes the level of proficiency to which the individual must perform the task.

    d. <u>Performance Steps</u>. Collectively, the performance steps represent the logical sequence of actions required of the Marine to perform the task to standard. These actions are typically detailed in the references.

    e. <u>Reference(s)</u>. References are doctrinal publications, technical manuals, and other publications upon which the ITS and its performance steps are based. They should be readily available and provide detail to the procedures that are only summarized in the performance steps.

    f. <u>Administrative Instructions (Optional)</u>. Administrative instructions provide the trainer/instructor with special required or recommended circumstances, including safety precautions, relating to the training or execution of the task. These instructions may also clarify the meaning of the task.

3. <u>ITS Training</u>

    a. <u>Initial Training Setting</u>. All ITSs are assigned an initial training setting that includes a specific location for initial instruction [Functional Learning Center (FLC) or Managed On-The-Job Training (MOJT)], a sustainment factor (number of months

between evaluation or retraining to maintain the proficiency required by the standard), and a "Required By" grade (the lowest grade at which task proficiency is required).

b. <u>Training Materiel (Optional)</u>. Training materiel includes all training devices, simulators, aids, equipment, and materials [except ammunition, distance learning (DL) products, and performance support tools (PST)] required or recommended to properly train the task under the specified conditions and to the specified standard.

c. <u>Ammunition (Optional)</u>. This section includes any ammunition, explosives, and/or pyrotechnics required for proper training of the ITS.

d. <u>Distance Learning Product(s) (Optional)</u>. This section includes a list of any currently available or planned DL products designed to provide training related to this task.

e. <u>Performance Support Tool(s) (Optional)</u>. This section includes a list of any currently available or planned PSTs designed to provide training related to this task.

ENCLOSURE (1)

MANAGEMENT OF INDIVIDUAL TRAINING STANDARDS

1. ITS Use

    a. ITSs form the basis for all individual training in Functional Learning Centers (FLC) and units. They are written for all MOSs in order to specify the critical skills required by units of their individual Marines in support of the unit's combat missions as defined in the unit's Mission Essential Task List (METL).

    b. FLC directors are responsible for reviewing all ITSs marked for initial training at the FLC. They must conduct courses of instruction on those ITSs appropriate for their student populations in terms of grade or rank. The task portion of each ITS taught in a given course must appear in the Task List (Item 24) of the CDD for that course. In accordance with the Systems Approach to Training (SAT), a Program of Instruction (POI) must also be developed for the course.

    c. ITSs provide measures of performance that can be used by unit commanders to diagnose individual deficiencies and design training. Noted deficiencies should be scheduled for remediation on training plans or through Managed On-The-Job Training (MOJT), as appropriate.

    d. A Marine should continue to receive instruction on ITSs that support the unit's METL. Individual training cannot cease upon graduation from the FLC because FLCs cannot prepare every Marine to serve in every billet. Individuals should be given opportunities in the unit to gain experience and responsibility as quickly as possible.

2. ITS Maintenance

    a. A relationship exists between ITSs and the threat to Marine forces. Changes in the threat often trigger corresponding changes in our weapons, equipment, or doctrine, which then necessitate producing new or updated training standards. Such action requires a team effort on the part of the operating forces, the FLCs, and staff agencies at both Headquarters, U.S. Marine Corps and the Marine Corps Combat Development Command (MCCDC).

    b. ITSs are ultimately validated by unit commanders and FLC directors. Records of Proceedings (ROP) resulting from Course Content Review Boards (CCRB) conducted by FLCs are particularly well suited for recommending revisions. The ROP should contain a justification for each proposed addition, deletion, or change and should accompany any request to obtain authority to depart from the currently published ITSs. Unit commanders can recommend changes through participation in a school's CCRB or directly via the chain of command. Unless significant changes warrant earlier action, ITS orders are revised and republished on a 4-year cycle.

    c. ITS management is a dynamic process involving user maintenance as the key to refining standards to best serve unit missions. ITS users should evaluate whether ITSs support or fail to support an MOS, and ITS components should be examined for realism and pertinence. Users are encouraged to submit recommended changes to published ITSs through the chain of command.

ENCLOSURE (2)

SUMMARY/INDEX OF INDIVIDUAL TRAINING STANDARDS

1. <u>General</u>. This enclosure is a summary listing of all ITS tasks grouped by MOS and Duty Area.

2. <u>Format</u>. The columns are as follows:

     a. <u>SEQ</u>. Sequence Number. This number dictates the order in which tasks for a given duty area are displayed.

     b. <u>TASK</u>. ITS Designator. This is the permanent designator assigned to the task when it is created.

     c. <u>TITLE</u>. ITS Task Title.

     d. <u>CORE</u>. An "X" appears in this column when the task is designated as a "core" task required to "make" a Marine and qualify that Marine for the appropriate MOS. The absence of an "X" indicates that this is an advanced ("core plus") task that is mission, grade, or billet specific.

     e. <u>FLC</u>. Functional Learning Center. An "X" appears in this column when the FLC is designated as the initial training setting. The absence of an "X" indicates that the initial training is accomplished through Managed On-The-Job Training (MOJT).

     f. <u>DL</u>. Distance Learning Product. An "X" in this column indicates that at least one DL product is associated with this task. Consult enclosure (6) for details.

     g. <u>PST</u>. Performance Support Tool. An "X" in this column indicates that at least one PST is associated with this task. Consult enclosure (6) for details.

     h. <u>SUS</u>. Sustainment Training Period. An entry in this column represents the number of months between evaluation or retraining by the unit to maintain the proficiency required by the standard, provided the task supports the unit's METL.

     i. <u>REQ BY</u>. Required By. An entry in this column depicts the lowest grade required to demonstrate proficiency in this task.

     j. <u>PAGE</u>. Page Number. This column lists the number of the page in enclosure (6) that contains detailed information concerning this task.

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE

MOS 0602, Command and Control Systems Officer

DUTY AREA 01 - COMMAND AND CONTROL SYSTEMS (C2S) PLANS AND ORDERS

SEQ	TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1)	0602.01.01	WRITE A PLAN FOR C2S SUPPORT OF A MAGTF ELEMENT	X	X			12	2ndLt	6-A-1
2)	0602.01.02	EMBARK C2S SUPPLIES AND PERSONNEL	X	X			12	2ndLt	6-A-1
3)	0602.01.03	SUPERVISE SYSTEM CONTROL CENTER (SYSCON)	X	X			12	2ndLt	6-A-2
4)	0602.01.04	WRITE/UPDATE C2S STANDING OPERATING PROCEDURES (SOP)					12	1stLt	6-A-3
5)	0602.01.05	MANAGE C2S TRAINING					12	1stLt	6-A-4
6)	0602.01.06	WRITE A PLAN FOR C2S SUPPORT OF MAGTF/MARFOR COMPONENT OF A JTF		X			12	Capt	6-A-5

ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
7) 0602.01.07	WRITE THE PLAN FOR C2S SUPPORT OF JOINT/COMBINED AND INTER-AGENCY OPERATIONS	X				12	Maj	6-A-5

DUTY AREA 02 - TRANSMISSION SYSTEMS AND NETWORKS

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0602.02.01	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A SINGLE CHANNEL (HF, VHF, UHF, AND UHF SATCOM TO INCLUDE DEMAND ASSIGNED MULTIPLE ACCESS (DAMA)) RADIO NETWORK IN SUPPORT OF A MAGTF ELEMENT	X	X			12	2ndLt	6-A-7
2) 0602.02.02	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A SINGLE CHANNEL (HF, VHF, UHF, AND UHF SATCOM TO INCLUDE DAMA) RADIO NETWORK IN SUPPORT OF A MAGTF ELEMENT	X	X			12	2ndLt	6-A-7
3) 0602.02.03	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A SINGLE CHANNEL (HF, VHF, UHF, OR UHF SATCOM) RADIO NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-8
4) 0602.02.04	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A SINGLE CHANNEL (HF, VHF, UHF, OR UHF SATCOM) RADIO NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-9
5) 0602.02.05	WRITE AN EMPLOYMENT PLAN FOR A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO SYSTEM IN SUPPORT OF A MAGTF ELEMENT	X	X			12	1stLt	6-A-10
6) 0602.02.06	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO SYSTEM IN SUPPORT OF A MAGTF ELEMENT					12	1stLt	6-A-11
7) 0602.02.07	WRITE A PLAN FOR INSTALLATION, OPERATION, AND MAINTENANCE OF THE ENHANCED POSITION LOCATION AND REPORTING SYSTEM (EPLRS)					12	1stLt	6-A-11
8) 0602.02.08	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF THE EPLRS NETWORK CONTROL STATION (NCS)					12	1stLt	6-A-12
9) 0602.02.09	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MUTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-13
10) 0602.02.10	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO SYSTEM IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-13
11) 0602.02.11	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF AND EHF) RADIO NETWORK IN SUPPORT OF	X				12	Maj	6-A-14

ENCLOSURE (3)

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
	JOINT/COMBINED AND INTERAGENCY OPERATIONS							
12) 0602.02.12	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO SYSTEM IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS	X				12	Maj	6-A-15

DUTY AREA 03 - SWITCHES AND SWITCHED NETWORKS

1) 0602.03.01	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF A MAGTF ELEMENT	X	X			12	2ndLt	6-A-17
2) 0602.03.02	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF A MAGTF ELEMENT	X	X			12	2ndLt	6-A-17
3) 0602.03.03	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-18
4) 0602.03.04	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF THE JTF	X				12	Capt	6-A-19
5) 0602.03.05	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS	X				12	Maj	6-A-19
6) 0602.03.06	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS	X				12	Maj	6-A-20

DUTY AREA 04 - DATA COMMUNICATIONS NETWORKS

1) 0602.04.01	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF A MAGTF ELEMENT	X	X			12	2ndLt	6-A-22
2) 0602.04.02	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF A MAGTF ELEMENT	X	X			12	2ndLt	6-A-22
3) 0602.04.03	PROCURE COMMERCIAL OFF-THE-SHELF (COTS) C2 SYSTEMS AND SOFTWARE					12	1stLt	6-A-24
4) 0602.04.04	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-24
5) 0602.04.05	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF THE JTF	X				12	Capt	6-A-25

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
6) 0602.04.06	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS	X				12	Maj	6-A-27
7) 0602.04.07	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS	X				12	Maj	6-A-27

DUTY AREA 05 - POWER

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0602.05.01	DETERMINE MOBILE ELECTRIC POWER (MEP) REQUIREMENTS FOR A C2S	X	X			12	2ndLt	6-A-29

DUTY AREA 06 - SECURITY

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0602.06.01	WRITE A PLAN FOR C2S PROTECTION	X	X			12	2ndLt	6-A-30
2) 0602.06.02	SUPERVISE THE EXECUTION OF C2S PROTECTION PLAN	X	X			12	2ndLt	6-A-31
3) 0602.06.03	SUPERVISE THE MANAGEMENT OF THE UNIT'S COMSEC MATERIAL SYSTEM (CMS)/ELECTRONIC KEY MANAGEMENT SYSTEM (EKMS) ACCOUNT	X	X			12	2ndLt	6-A-32

DUTY AREA 07 - HAZMAT

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0602.07.01	PLAN FOR HANDLING, EMBARKATION, STORAGE, MANAGEMENT, AND DISPOSAL OF HAZARDOUS MATERIAL (HAZMAT)	X	X			12	2ndLt	6-A-34
2) 0602.07.02	SUPERVISE THE HANDLING, EMBARKATION, STORAGE, MANAGEMENT, AND DISPOSAL OF HAZARDOUS MATERIAL (HAZMAT)	X	X			12	2ndLt	6-A-34

DUTY AREA 08 - MAINTENANCE

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
1) 0602.08.01	SUPERVISE THE MAINTENANCE MANAGEMENT OF C2S EQUIPMENT	X	X			12	2ndLt	6-A-36

ENCLOSURE (3)

<u>COMMON INDIVIDUAL TRAINING STANDARDS</u>

DOES NOT APPLY TO THIS ORDER.

<u>TRAINING SUPPORT</u>

1. This enclosure summarizes five categories of training support by ITS for the entire OccFld:

    Appendix A: References

    Appendix B: Training Materiel

    Appendix C: Ammunition, Explosives, and Pyrotechnics

    Appendix D: Distance Learning Products

    Appendix E: Performance Support Tools

2. If support identified in any appendix is not applicable to this OccFld, the appendix will include a statement to that effect.

REFERENCES

1. General. References are doctrinal publications, technical manuals, and other publications upon which an ITS and its performance steps are based. They should be readily available and provide the detailed procedures for accomplishing the task. This section includes a list of all reference publications associated with any task in this OccFld.

2. Format. The columns are as follows:

   a. REFERENCES. This column summarizes all references associated with at least one ITS task in this OccFld.

   b. TASK NUMBERS. A listing of all ITS tasks to which the corresponding reference is associated.

REFERENCES	TASK NUMBERS			
ADPE Security Order	0602.03.02	0602.03.04	0602.03.06	0602.04.02
	0602.04.05	0602.04.07	0602.06.01	
Applicable Technical Publications/Manuals	0602.01.01	0602.01.02	0602.01.03	0602.01.04
	0602.01.05	0602.01.06	0602.01.07	0602.02.01
	0602.02.02	0602.02.03	0602.02.04	0602.02.05
	0602.02.06	0602.02.07	0602.02.08	0602.02.09
	0602.02.10	0602.02.11	0602.02.12	0602.03.01
	0602.03.02	0602.03.03	0602.03.04	0602.03.05
	0602.03.06	0602.04.01	0602.04.02	0602.04.03
	0602.04.04	0602.04.05	0602.04.06	0602.04.07
	0602.05.01	0602.06.01	0602.06.02	0602.06.03
	0602.07.01	0602.08.01		
Appropriate MCCRES volume (MCO 3501.XX)	0602.01.05			
Appropriate Order from the MCO P1510 Series, Individual Training Standards (ITS) System	0602.01.05			
Command and Control Systems Protection Plan	0602.02.02	0602.06.01		
Consolidated Memorandum Receipt (CMR)	0602.01.01	0602.01.02	0602.01.04	0602.01.06
	0602.02.01	0602.02.02	0602.02.03	0602.02.04
	0602.02.05	0602.02.06	0602.02.07	0602.02.08
	0602.02.09	0602.02.10	0602.02.11	0602.02.12
	0602.03.01	0602.03.02	0602.03.03	0602.03.04
	0602.03.05	0602.03.06	0602.04.01	0602.04.02
	0602.04.04	0602.04.05	0602.04.06	0602.04.07
	0602.05.01	0602.06.01	0602.08.01	
DISA Defense Information System Network Integrated Tactical - Strategic Data Networking (ITSDN) Internet Protocol Addressing Plan	0602.03.02	0602.03.04	0602.03.06	0602.04.02
	0602.04.05	0602.04.07		

REFERENCES	TASK NUMBERS			
Data Communications Equipment (DCE) Operator Manual	0602.04.02			
Data Terminal Equipment (DTE) Operator Manual	0602.04.02			
Defense Information Systems (DISA) circulars	0602.04.02			
Intertheater COMSEC Package (ICP) Distribution Scheme (REDBOOK)	0602.06.01			
OS Utilities Manual	0602.04.02			
STU-III/SECTEL User's Guide	0602.06.02			
Unit SOP	0602.01.01	0602.01.02	0602.01.04	0602.01.05
	0602.01.06	0602.02.01	0602.02.02	0602.02.03
	0602.02.04	0602.02.05	0602.02.06	0602.02.07
	0602.02.08	0602.02.09	0602.02.10	0602.02.11
	0602.02.12	0602.03.01	0602.03.02	0602.03.03
	0602.03.04	0602.03.05	0602.03.06	0602.04.01
	0602.04.02	0602.04.03	0602.04.04	0602.04.05
	0602.04.06	0602.04.07	0602.05.01	0602.06.01
	0602.06.02	0602.08.01		
Unit Table of Equipment (T/E)	0602.01.04	0602.05.01		
Unit Training Plan	0602.01.05			
Unit Training Schedule	0602.01.05			
Windows NT Security, Charles B. Rutstein, National Computer Security Association. Mcgraw Hill, 1997	0602.04.02	0602.06.02		
ACP-121, Communications Instructions - General	0602.01.07			
ACP-122, Communications Instruction - Security	0602.01.05	0602.06.01	0602.06.02	
ASC-2, GMFSC Anti-jam Operating Procedures	0602.06.01	0602.06.02		
CJCSI 6510.01B W/CH1, Defense Information Operations	0602.04.04			
CJCSM 6231, Joint Tactical Communication Systems Manuals	0602.01.04	0602.01.06	0602.01.07	0602.02.03
	0602.02.04	0602.02.09	0602.02.10	0602.02.11
	0602.02.12	0602.03.03	0602.03.04	0602.03.05
	0602.03.06	0602.04.01	0602.04.04	0602.04.05
	0602.04.06	0602.04.07	0602.06.01	0602.06.02
CJCSM 6231.07, Joint Network Management and Control	0602.01.03	0602.04.04	0602.06.02	

Appendix A to
ENCLOSURE (5)

REFERENCES	TASK NUMBERS		
CMS-1_, COMSEC Material System Policy & Procedures Manual	0602.01.02	0602.06.03	
CMS-21, COMSEC Material System Policy and Procedures	0602.06.03		
CMS-3B, EKMS Inspection Manual	0602.06.03		
CMS-5, Cryptographic Equipment Information/Guidance Manual	0602.06.03		
CMS-6, STU III Key Management	0602.06.02	0602.06.03	
CMS-9, DON Certification Authority Policy and Procedures (DRAFT)	0602.06.03		
DOD 5200.28, Security Requirements for Automated Information Systems (AIS)	0602.04.02	0602.06.02	
DOD 5200.28-STD, DOD Trusted Computer System Evaluation Criteria	0602.06.01		
DOD 5200.40, DOD Information Technology Security Certification and Accreditation Process (DITSCAP)	0602.04.04	0602.06.01	0602.06.02
EXECUTIVE ORDER 12958, Classified National Security Information	0602.06.01		
FMFM 3-1, Command and Staff Action	0602.01.04		
FMFM 4-6, Air Movement of FMF Units	0602.01.02		
JT PUB 6-05.7, Joint Network Management and Control Systems	0602.04.04		
MCO 3120.6, Standard Embarkation Management System	0602.01.02		
MCO 4400.150_, Consumer Level Supply Policy Manual	0602.04.03		
MCO 5231.1C, Life Cycle Management for Automated Information Systems	0602.04.02		
MCO 5510.14, Marine Corps ADP Security Manual	0602.06.02		
MCO P4400.150, Consumer Level Supply Policy Manual	0602.08.01		
MCO P4600.7C, USMC Transportation Manual	0602.01.02		
MCO P4790.2B, MIMMS Field Procedures Manual	0602.01.05	0602.08.01	

REFERENCES	TASK NUMBERS			
MCO P5600.31, Marine Corps Publication and Printing Regulations	0602.08.01			
MCRP 3-22B, Spectrum Management	0602.01.01	0602.02.01	0602.02.02	0602.02.03
	0602.02.04	0602.02.05	0602.02.06	0602.02.09
	0602.02.10	0602.02.11	0602.02.12	
MCRP 6-22C, Radio Operator's Handbook	0602.01.01	0602.02.01	0602.02.02	0602.02.03
	0602.02.04	0602.02.05	0602.02.06	0602.02.09
	0602.02.10	0602.02.11	0602.02.12	
MCWP 6-22, Communication and Information Systems	0602.01.01	0602.01.02	0602.01.03	0602.01.06
	0602.01.07	0602.02.01	0602.02.02	0602.02.03
	0602.02.04	0602.02.05	0602.02.06	0602.02.07
	0602.02.09	0602.02.10	0602.02.11	0602.02.12
	0602.03.01	0602.03.02	0602.03.03	0602.03.04
	0602.03.05	0602.03.06	0602.04.01	0602.04.02
	0602.04.04	0602.04.05	0602.04.06	0602.04.07
	0602.05.01			
MIL-HDBK 419A, Grounding Techniques	0602.02.01	0602.02.02	0602.02.03	
NAVSO P-5239-04, Information Systems Security Manager Guidebook	0602.04.04			
NAVSO P-5239-08, Network Security Officer's Guidebook	0602.04.04	0602.06.01		
NAVSO P-5239-13, Certification and Accreditation Guidebook	0602.04.04			
NAVSO P-5239-16, Risk Assessment Guidebook	0602.04.04			
NWP 22-26, Communications Planning - Embarkation	0602.01.02			
OPNAVINST 5510.1, Information and Personnel Security Program	0602.06.02			
OPNAVINST 5530.14C, Department of the Navy Physical Security Program	0602.06.02			
OPNAVINST 5605, Physical Security	0602.06.01	0602.06.02		
OPNAVINST P5510.1, Department of the Navy Information and Personnel Security Program Regulations	0602.06.02			
PUBLIC LAW 100-235, Computer Security Act of 1987	0602.06.02			
SB, Battery Procedures	0602.07.01			
SECNAVINST 5239.3, DON Information Systems Security (INFOSEC) Program	0602.06.02			

Appendix A to
ENCLOSURE (5)

REFERENCES	TASK NUMBERS
SECNAVINST 5510.30A, Department of the Navy Personal Security Program	0602.06.02
SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation	0602.06.02

<u>TRAINING MATERIEL</u>

DOES NOT APPLY TO THIS ORDER.

<u>AMMUNITION, EXPLOSIVES, AND PYROTECHNICS</u>

DOES NOT APPLY TO THIS ORDER.

<u>DISTANCE LEARNING PRODUCTS</u>

DOES NOT APPLY TO THIS ORDER.

PERFORMANCE SUPPORT TOOLS

DOES NOT APPLY TO THIS ORDER.

INDIVIDUAL TRAINING STANDARDS

1. <u>General</u>. This enclosure contains all of the ITSs for this OccFld, grouped by MOS. Each MOS is contained in a separate Appendix to Enclosure (6).

2. <u>Format</u>. For each ITS, the following elements of information are provided:

   a. <u>TASK</u>. The task describes a specific and necessary behavior expected of a Marine in a particular MOS or billet. It is a clearly stated, performance-oriented action requiring a learned skill. Skills that "make" a Marine or qualify that Marine for the appropriate MOS are designated as "CORE." Those advanced skills that are mission, grade, or billet specific are designated as "CORE PLUS."

   b. <u>CONDITION(S)</u>. This portion of the ITS describes the equipment, manuals, assistance/supervision, special physical demands, environmental conditions, and location affecting a Marine's performance of the task under real-world circumstances.

   c. <u>STANDARD(S)</u>. This portion of the ITS describes the level of proficiency to which the individual must perform the task.

   d. <u>PERFORMANCE STEPS</u>. Collectively, the performance steps represent the logical sequence of actions required of the Marine to perform the task to standard. These actions are typically detailed in the references.

   e. <u>INITIAL TRAINING SETTING</u>. All ITSs are assigned an initial training setting that includes a specific location for initial instruction [Functional Learning Center (FLC) or Managed On-The-Job Training (MOJT)], a sustainment factor (number of months between evaluation or retraining to maintain the proficiency required by the standard), and a "Required By" grade (the lowest grade at which task proficiency is required).

   f. <u>REFERENCE(S)</u>. References are doctrinal publications, technical manuals, and other publications upon which the ITS and its performance steps are based. They should be readily available and provide detail to the procedures that are only summarized in the performance steps.

   g. <u>TRAINING MATERIEL (Optional)</u>. Training materiel includes all training devices, simulators, aids, equipment, and materials [except ammunition, distance learning (DL) products, and performance support tools (PST)] required or recommended to properly train the task under the specified conditions and to the specified standard. Mandatory items are preceded by an asterisk(*).

   h. <u>AMMUNITION (Optional)</u>. This table, if present, depicts the ammunition, explosives, and/or pyrotechnics required for proper training of the ITS.

   i. <u>DISTANCE LEARNING PRODUCT(S) (Optional)</u>. This section includes a list of any currently available or planned DL products designed to provide training related to this task.

   j. <u>PERFORMANCE SUPPORT TOOL(S) (Optional)</u>. This section includes a list of any currently available or planned PSTs designed to provide training related to this task.

   k. <u>ADMINISTRATIVE INSTRUCTIONS (Optional)</u>. Administrative instructions provide the trainer/instructor with special required or recommended circumstances, including safety precautions, relating to the training or execution of the task. These instructions may also clarify the meaning of the task.

MOS 0602, COMMAND AND CONTROL SYSTEMS OFFICER

DUTY AREA 01 - COMMAND AND CONTROL SYSTEMS (C2S) PLANS AND ORDERS

TASK: 0602.01.01 (CORE) WRITE A PLAN FOR C2S SUPPORT OF A MAGTF ELEMENT

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast and flexible C2S, per the references.

PERFORMANCE STEPS:

1. Analyze planning documents.

2. Identify requirements.

3. Identify resources.

4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. MCRP 3-22B, Spectrum Management

5. MCRP 6-22C, Radio Operator's Handbook

6. MCWP 6-22, Communication and Information Systems

TASK: 0602.01.02 (CORE) EMBARK C2S SUPPLIES AND PERSONNEL

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure serviceability of equipment and 100% accountability of personnel, per the references.

PERFORMANCE STEPS:

1. Establish liaison with unit embarkation officer.

2. Ensure trained embarkation NCO is assigned to complete embarkation.

3. Review the embarkation manifest for the unit.

4. Prepare Equipment Density List (EDL).

5. Update the embarkation documents to reflect personnel and current status of equipment.

6. Ensure adequate embark boxes are available and marked appropriately.

7. Ensure adequate waterproofing materials are on hand for deployment.

8. Prioritize items for embarkation.

9. Plan for combat loading equipment.

10. Determine special lifting/handling requirements for Communications and Electronics (C-E) equipment.

11. Plan for embarkation of HAZMAT.

12. Plan for embarkation of COMSEC.

13. Rehearse embarkation procedures.

14. Supervise embarkation/debarkation of equipment.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. CMS-1_, COMSEC Material System Policy & Procedures Manual

5. FMFM 4-6, Air Movement of FMF Units

6. MCO 3120.6, Standard Embarkation Management System

7. MCO P4600.7C, USMC Transportation Manual

8. MCWP 6-22, Communication and Information Systems

9. NWP 22-26, Communications Planning - Embarkation

TASK: 0602.01.03 (CORE) SUPERVISE SYSTEM CONTROL CENTER (SYSCON)

CONDITION(S): Provided planning documents, Commander's guidance, and references.

Appendix A to
ENCLOSURE (6)

STANDARD(S): To provide operational status information on all unit organic communication equipment and centralized control necessary for remedying any difficulties through a formal/informal circuit restoration priority system, per the references.

PERFORMANCE STEPS:

1. Review planning documents.

2. Ensure adherence to plans and orders.

3. Coordinate with senior/adjacent/subordinate units, as required.

4. Supervise use of tools used to plan, install, operate, and maintain CIS networks.

5. Conduct monitoring of CIS networks.

6. Monitor operations of help desk.

7. Manage operation of technical control facility (TECHCONFAC).

8. Direct activation/deactivation of circuits.

9. Establish alternate routes of communication services.

10. Maintain status of circuits, capabilities, and resources.

11. Inform commander and staff of communication situation.

12. Prepare/Submit status reports.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. CJCSM 6231.07, Joint Network Management and Control

3. MCWP 6-22, Communication and Information Systems

TASK: 0602.01.04 (CORE PLUS) WRITE/UPDATE C2S STANDING OPERATING PROCEDURES (SOP)

CONDITION(S): Provided the mission(s), unit Table of Organization and Equipment (T/O&E), directives from higher headquarters, Commander's guidance, and references.

STANDARD(S): To provide clear guidance for the operation of the unit in the execution of its assigned missions, per the references.

PERFORMANCE STEPS:

1. Analyze planning documents and existing SOP.

2. Identify mission specific requirements.

   3. Draft/Modify SOP for each assigned mission.

   4. Staff SOP, as required.

   5. Finalize SOP.

<u>INITIAL TRAINING SETTING</u>: MOJT Sustainment: 12 Req By: 1stLt

<u>REFERENCE(S)</u>:

   1. Applicable Technical Publications/Manuals

   2. Consolidated Memorandum Receipt (CMR)

   3. Unit SOP

   4. Unit Table of Equipment (T/E)

   5. CJCSM 6231, Joint Tactical Communication Systems Manuals

   6. FMFM 3-1, Command and Staff Action

<u>TASK</u>: 0602.01.05 (CORE PLUS) MANAGE C2S TRAINING

<u>CONDITION(S)</u>: Provided the unit's annual training plan, monthly training schedule, and references.

<u>STANDARD(S)</u>: To maximize the capabilities provided by the organization, per the references.

<u>PERFORMANCE STEPS</u>:

   1. Establish training priorities.

   2. Manage mission oriented training.

   3. Manage skill progression training.

   4. Prepare unit training plan.

   5. Provide supervision at all levels during conduct of training.

   6. Evaluate training.

<u>INITIAL TRAINING SETTING</u>: MOJT Sustainment: 12 Req By: 1stLt

<u>REFERENCE(S)</u>:

   1. Applicable Technical Publications/Manuals

   2. Appropriate MCCRES volume (MCO 3501.XX)

   3. Appropriate Order from the MCO P1510 Series, Individual Training Standards (ITS) System

Appendix A to
ENCLOSURE (6)

4. Unit SOP

5. Unit Training Plan

6. Unit Training Schedule

7. ACP-122, Communications Instruction - Security

8. MCO P4790.2B, MIMMS Field Procedures Manual

TASK: 0602.01.06 (CORE) WRITE A PLAN FOR C2S SUPPORT OF MAGTF/MARFOR COMPONENT OF A JTF

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible C2S, per the references.

PERFORMANCE STEPS:

1. Analyze planning documents.

2. Identify requirements.

3. Identify resources.

4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize plan.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Capt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. CJCSM 6231, Joint Tactical Communication Systems Manuals

5. MCWP 6-22, Communication and Information Systems

ADMINISTRATIVE INSTRUCTIONS: Plans will include LOI, CEOI and Annex K.

TASK: 0602.01.07 (CORE) WRITE THE PLAN FOR C2S SUPPORT OF JOINT/COMBINED AND INTER-AGENCY OPERATIONS

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible C2S, per the references.

PERFORMANCE STEPS:

    1. Analyze planning documents.

    2. Identify requirements.

    3. Identify resources.

    4. Coordinate with senior/adjacent/subordinate units, agencies and cognizant staff officers.

    5. Develop a draft plan.

    6. Evaluate/Staff plan, as required.

    7. Finalize the plan.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Maj

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. ACP-121, Communications Instructions - General

    3. CJCSM 6231, Joint Tactical Communication Systems Manuals

    4. MCWP 6-22, Communication and Information Systems

ADMINISTRATIVE INSTRUCTIONS: Plans will include LOI, CEOI, and Annex K or S.

Appendix A to
ENCLOSURE (6)

DUTY AREA 02 - TRANSMISSION SYSTEMS AND NETWORKS

TASK: 0602.02.01 (CORE) WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A SINGLE CHANNEL (HF, VHF, UHF, AND UHF SATCOM TO INCLUDE DEMAND ASSIGNED MULTIPLE ACCESS (DAMA)) RADIO NETWORK IN SUPPORT OF A MAGTF ELEMENT

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible single channel radio network, per the references.

PERFORMANCE STEPS:

1. Analyze planning documents.

2. Identify requirements.

3. Identify resources.

4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. MCRP 3-22B, Spectrum Management

5. MCRP 6-22C, Radio Operator's Handbook

6. MCWP 6-22, Communication and Information Systems

7. MIL-HDBK 419A, Grounding Techniques

TASK: 0602.02.02 (CORE) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A SINGLE CHANNEL (HF, VHF, UHF, AND UHF SATCOM TO INCLUDE DAMA) RADIO NETWORK IN SUPPORT OF A MAGTF ELEMENT

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To provide the Commander a reliable, secure, fast, and flexible single channel radio network, per the references.

Appendix A to
ENCLOSURE (6)

PERFORMANCE STEPS:

  1. Enforce adherence to all safety procedures.

  2. Ensure proper grounding of equipment.

  3. Review the plan.

  4. Assign resources, e.g., time, equipment, and personnel.

  5. Ensure adherence to C2 protect measures.

  6. Inspect for adherence to the plan.

  7. Review/Adapt plan, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

  1. Applicable Technical Publications/Manuals

  2. Command and Control Systems Protection Plan

  3. Consolidated Memorandum Receipt (CMR)

  4. Unit SOP

  5. MCRP 3-22B, Spectrum Management

  6. MCRP 6-22C, Radio Operator's Handbook

  7. MCWP 6-22, Communication and Information Systems

  8. MIL-HDBK 419A, Grounding Techniques

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TASK: 0602.02.03 (CORE) WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A SINGLE CHANNEL (HF, VHF, UHF, OR UHF SATCOM) RADIO NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible single channel radio network, per the references.

PERFORMANCE STEPS:

  1. Analyze planning documents.

  2. Identify requirements.

  3. Identify resources.

  4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

Appendix A to
ENCLOSURE (6)

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize plan.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Capt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. CJCSM 6231, Joint Tactical Communication Systems Manuals

5. MCRP 3-22B, Spectrum Management

6. MCRP 6-22C, Radio Operator's Handbook

7. MCWP 6-22, Communication and Information Systems

8. MIL-HDBK 419A, Grounding Techniques

TASK: 0602.02.04 (CORE) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A SINGLE CHANNEL (HF, VHF, UHF, OR UHF SATCOM) RADIO NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To provide the Commander a reliable, secure, fast, and flexible single channel radio network, per the references.

PERFORMANCE STEPS:

1. Ensure adherence to all safety procedures.

2. Ensure proper grounding of equipment.

3. Review the plan.

4. Assign resources, e.g., time, equipment, and personnel.

5. Ensure adherence to C2 protect measures.

6. Inspect for adherence to the plan.

7. Review/Adapt plan, as required.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Capt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. CJCSM 6231, Joint Tactical Communication Systems Manuals

5. MCRP 3-22B, Spectrum Management

6. MCRP 6-22C, Radio Operator's Handbook

7. MCWP 6-22, Communication and Information Systems

TASK: 0602.02.05 (CORE) WRITE AN EMPLOYMENT PLAN FOR A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO SYSTEM IN SUPPORT OF A MAGTF ELEMENT

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible multichannel radio system, per the references.

PERFORMANCE STEPS:

1. Analyze planning documents.

2. Identify requirements.

3. Identify resources.

4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 1stLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. MCRP 3-22B, Spectrum Management

5. MCRP 6-22C, Radio Operator's Handbook

6. MCWP 6-22, Communication and Information Systems

Appendix A to
ENCLOSURE (6)

TASK: 0602.02.06 (CORE PLUS) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO SYSTEM IN SUPPORT OF A MAGTF ELEMENT

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To provide a reliable, secure, fast, and flexible multichannel radio system, per the references.

PERFORMANCE STEPS:

   1. Ensure adherence to all safety procedures and proper grounding of equipment.

   2. Ensure proper grounding of equipment.

   3. Review the plan.

   4. Assign resources, e.g., time, equipment, and personnel.

   5. Ensure adherence to C2 protect measures.

   6. Inspect for adherence to the plan.

   7. Review/Adapt plan, as required.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: 1stLt

REFERENCE(S):

   1. Applicable Technical Publications/Manuals

   2. Consolidated Memorandum Receipt (CMR)

   3. Unit SOP

   4. MCRP 3-22B, Spectrum Management

   5. MCRP 6-22C, Radio Operator's Handbook

   6. MCWP 6-22, Communication and Information Systems

TASK: 0602.02.07 (CORE PLUS) WRITE A PLAN FOR INSTALLATION, OPERATION, AND MAINTENANCE OF THE ENHANCED POSITION LOCATION AND REPORTING SYSTEM (EPLRS)

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible EPLRS voice and data communication networks, per the references.

PERFORMANCE STEPS:

   1. Analyze planning documents.

2. Identify requirements, including operational scheme of maneuver, voice and data communication needlines, and pre-plan radio relay links, as required.

3. Identify resources.

4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize the plan.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: 1stLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. MCWP 6-22, Communication and Information Systems

TASK: 0602.02.08 (CORE PLUS) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF THE EPLRS NETWORK CONTROL STATION (NCS)

CONDITION(S): Provided an EPLRS NCS, Commander's guidance, and the references

STANDARD(S): To ensure proper installation, operation, and maintenance, per the references.

PERFORMANCE STEPS:

1. Ensure adherence to all safety procedures.

2. Ensure proper grounding of equipment.

3. Review the plan.

4. Assign resources, e.g., time, equipment, resources, personnel, and responsibility for implementing radio relay links supporting the operational scheme of maneuver.

5. Ensure adherence to C2 protect measures.

6. Inspect for adherence to the plan.

7. Review/Adapt plan, as required.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: 1stLt

REFERENCE(S):

Appendix A to
ENCLOSURE (6)

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

TASK: 0602.02.09 (CORE) WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MUTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible multichannel radio network, per the references.

PERFORMANCE STEPS:

1. Analyze planning documents.

2. Identify requirements.

3. Identify resources.

4. Coordinate with senior/adjacent/subordinate units and cognizant staff agencies.

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize the plan

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Capt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. CJCSM 6231, Joint Tactical Communication Systems Manuals

5. MCRP 3-22B, Spectrum Management

6. MCRP 6-22C, Radio Operator's Handbook

7. MCWP 6-22, Communication and Information Systems

TASK: 0602.02.10 (CORE) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO SYSTEM IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF

<u>CONDITION(S)</u>: Provided planning documents, Commander's guidance, and references.

<u>STANDARD(S)</u>: To provide a reliable, secure, fast, and flexible multichannel radio system, per the references.

<u>PERFORMANCE STEPS</u>:

    1. Ensure adherence to all safety procedures.

    2. Ensure proper grounding of equipment.

    3. Review the plan.

    4. Assign resources, e.g., time, equipment, and personnel.

    5. Ensure adherence to C2 protect measures.

    6. Inspect for adherence to the plan.

    7. Review/Adapt plan, as required.

<u>INITIAL TRAINING SETTING</u>: MOJT Sustainment: 12 Req By: Capt

<u>REFERENCE(S)</u>:

    1. Applicable Technical Publications/Manuals

    2. Consolidated Memorandum Receipt (CMR)

    3. Unit SOP

    4. CJCSM 6231, Joint Tactical Communication Systems Manuals

    5. MCRP 3-22B, Spectrum Management

    6. MCRP 6-22C, Radio Operator's Handbook

    7. MCWP 6-22, Communication and Information Systems

<u>TASK</u>: 0602.02.11 (CORE) WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF AND EHF) RADIO NETWORK IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS

<u>CONDITION(S)</u>: Provided planning documents, Commander's guidance, and references.

<u>STANDARD(S)</u>: To ensure reliable, secure, fast, and flexible multichannel radio network, per the references.

<u>PERFORMANCE STEPS</u>:

    1. Analyze planning documents.

    2. Identify requirements.

    3. Identify resources.

Appendix A to
ENCLOSURE (6)

4. Coordinate with senior/adjacent/subordinate units and cognizant staff agencies.

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize the plan

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Maj

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. CJCSM 6231, Joint Tactical Communication Systems Manuals

5. MCRP 3-22B, Spectrum Management

6. MCRP 6-22C, Radio Operator's Handbook

7. MCWP 6-22, Communication and Information Systems

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TASK: 0602.02.12 (CORE) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO SYSTEM IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To provide a reliable, secure, fast, and flexible multichannel radio system, per the references.

PERFORMANCE STEPS:

1. Ensure adherence to all safety procedures.

2. Ensure proper grounding of equipment.

3. Review the plan.

4. Assign resources, e.g., time, equipment, and personnel.

5. Ensure adherence to C2 protect measures.

6. Inspect for adherence to the plan.

7. Review/Adapt plan, as required.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Maj

REFERENCE(S):

Appendix A to
ENCLOSURE (6)

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. CJCSM 6231, Joint Tactical Communication Systems Manuals

5. MCRP 3-22B, Spectrum Management

6. MCRP 6-22C, Radio Operator's Handbook

7. MCWP 6-22, Communication and Information Systems

DUTY AREA 03 - SWITCHES AND SWITCHED NETWORKS

TASK: 0602.03.01 (CORE) WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF A MAGTF ELEMENT

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible voice and message services, per the references.

PERFORMANCE STEPS:

1. Analyze planning documents.

2. Identify requirements.

3. Identify resources.

4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. MCWP 6-22, Communication and Information Systems

TASK: 0602.03.02 (CORE) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF A MAGTF ELEMENT

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To provide the Commander reliable, secure, fast, and flexible voice and message services, per the references.

PERFORMANCE STEPS:

1. Ensure adherence to all safety procedures.

2. Ensure proper grounding of equipment.

3. Review the plan.

4. Assign resources, e.g., time, equipment, and personnel.

5. Ensure adherence to C2 protect measures.

6. Inspect for adherence to the plan.

7. Review/Adapt plan, as required.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. ADPE Security Order

2. Applicable Technical Publications/Manuals

3. Consolidated Memorandum Receipt (CMR)

4. DISA Defense Information System Network Integrated Tactical - Strategic Data Networking (ITSDN) Internet Protocol Addressing Plan

5. Unit SOP

6. MCWP 6-22, Communication and Information Systems

TASK: 0602.03.03 (CORE) WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible voice and message services, per the references.

PERFORMANCE STEPS:

1. Analyze planning documents.

2. Identify requirements.

3. Identify resources.

4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize the plan.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Capt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

Appendix A to
ENCLOSURE (6)

   3. Unit SOP

   4. CJCSM 6231, Joint Tactical Communication Systems Manuals

   5. MCWP 6-22, Communication and Information Systems

TASK: 0602.03.04 (CORE) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF THE JTF

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To provide the Commander reliable, secure, fast, and flexible voice and message services, per the references.

PERFORMANCE STEPS:

   1. Ensure adherence to all safety procedures.

   2. Ensure proper grounding of equipment.

   3. Review the plan.

   4. Assign resources, e.g., time, equipment, and personnel.

   5. Ensure adherence to C2 protect measures.

   6. Inspect for adherence to the plan.

   7. Review/Adapt plan, as required.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Capt

REFERENCE(S):

   1. ADPE Security Order

   2. Applicable Technical Publications/Manuals

   3. Consolidated Memorandum Receipt (CMR)

   4. DISA Defense Information System Network Integrated Tactical - Strategic Data Networking (ITSDN) Internet Protocol Addressing Plan

   5. Unit SOP

   6. CJCSM 6231, Joint Tactical Communication Systems Manuals

   7. MCWP 6-22, Communication and Information Systems

TASK: 0602.03.05 (CORE) WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS

Appendix A to
ENCLOSURE (6)

<u>CONDITION(S)</u>: Provided planning documents, Commander's guidance, and references.

<u>STANDARD(S)</u>: To ensure reliable, secure, fast, and flexible voice and message services, per the references.

<u>PERFORMANCE STEPS</u>:

    1. Analyze planning documents.

    2. Identify requirements.

    3. Identify resources.

    4. Coordinate with senior/adjacent/subordinate units, agencies, and cognizant staff officers.

    5. Develop a draft plan.

    6. Evaluate/Staff plan, as required.

    7. Finalize the plan.

<u>INITIAL TRAINING SETTING</u>: MOJT Sustainment: 12 Req By: Maj

<u>REFERENCE(S)</u>:

    1. Applicable Technical Publications/Manuals

    2. Consolidated Memorandum Receipt (CMR)

    3. Unit SOP

    4. CJCSM 6231, Joint Tactical Communication Systems Manuals

    5. MCWP 6-22, Communication and Information Systems

<u>TASK</u>: 0602.03.06 (CORE) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS

<u>CONDITION(S)</u>: Provided planning documents, Commander's guidance, and references.

<u>STANDARD(S)</u>: To provide the Commander reliable, secure, fast, and flexible voice and message services, per the references.

<u>PERFORMANCE STEPS</u>:

    1. Ensure adherence to all safety procedures.

    2. Ensure proper grounding of equipment.

    3. Review the plan.

    4. Assign resources, e.g., time, equipment, and personnel.

    5. Ensure adherence to C2 protect measures.

Appendix A to
ENCLOSURE (6)

6. Inspect for adherence to the plan.

7. Review/Adapt plan, as required.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Maj

REFERENCE(S):

1. ADPE Security Order

2. Applicable Technical Publications/Manuals

3. Consolidated Memorandum Receipt (CMR)

4. DISA Defense Information System Network Integrated Tactical - Strategic Data Networking (ITSDN) Internet Protocol Addressing Plan

5. Unit SOP

6. CJCSM 6231, Joint Tactical Communication Systems Manuals

7. MCWP 6-22, Communication and Information Systems

DUTY AREA 04 - DATA COMMUNICATIONS NETWORKS

TASK: 0602.04.01 (CORE) WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF A MAGTF ELEMENT

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexable Data Communications Network, per the references.

PERFORMANCE STEPS:

1. Analyze planning documents.

2. Identify requirements.

3. Identify resources.

4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. CJCSM 6231, Joint Tactical Communication Systems Manuals

5. MCWP 6-22, Communication and Information Systems

ADMINISTRATIVE INSTRUCTIONS: To support mission requirements per the reference.

TASK: 0602.04.02 (CORE) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF A MAGTF ELEMENT

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To provide the Commander a reliable, secure, fast, and flexible Data Communications Network, per the references.

PERFORMANCE STEPS:

1. Ensure adherence to all safety procedures.

2. Ensure proper grounding of equipment.

Appendix A to
ENCLOSURE (6)

3. Review the plan.

4. Assign resources, e.g., time, equipment, and personnel.

5. Ensure adherence to C2 protect measures.

6. Inspect for adherence to the plan.

7. Maintain the ability to conduct Disaster Recovery.

8. Review/Adapt plan, as required.

9. Conduct performance monitoring and tuning of networks.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. ADPE Security Order

2. Applicable Technical Publications/Manuals

3. Consolidated Memorandum Receipt (CMR)

4. DISA Defense Information System Network Integrated Tactical - Strategic Data Networking (ITSDN) Internet Protocol Addressing Plan

5. Data Communications Equipment (DCE) Operator Manual

6. Data Terminal Equipment (DTE) Operator Manual

7. Defense Information Systems (DISA) circulars

8. OS Utilities Manual

9. Unit SOP

10. Windows NT Security, Charles B. Rutstein, National Computer Security Association. Mcgraw Hill, 1997

11. DOD 5200.28, Security Requirements for Automated Information Systems (AIS)

12. MCO 5231.1C, Life Cycle Management for Automated Information Systems

13. MCWP 6-22, Communication and Information Systems

ADMINISTRATIVE INSTRUCTIONS: At a minimum, the following should be considered when supervising Data Communications Network:

a. IP management.

b. Notify NOC on pending deployment.

c. User training.

d. Periodic virus scan/updates to virus software.

TASK: 0602.04.03 (CORE PLUS) PROCURE COMMERCIAL OFF-THE-SHELF (COTS) C2 SYSTEMS AND SOFTWARE

CONDITION(S): Based on requirements, availability, resources, and references.

STANDARD(S): To meet the operational requirement of the organization, per the references.

PERFORMANCE STEPS:

1. Define the requirement.

2. Conduct research.

3. Prepare courses of action.

4. Prepare appropriate justification/procurement documents, as required.

5. Brief the decision maker.

6. Submit requisition.

7. Track requisition.

8. Receipt for equipment.

INITIAL TRAINING SETTING: MOJT   Sustainment: 12   Req By: 1stLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Unit SOP

3. MCO 4400.150_, Consumer Level Supply Policy Manual

TASK: 0602.04.04 (CORE) WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible Data Communications Network, per the references.

PERFORMANCE STEPS:

1. Analyze planning documents.

2. Identify requirements.

3. Identify resources.

4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

Appendix A to
ENCLOSURE (6)

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize the plan.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Capt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. CJCSI 6510.01B W/CH1, Defense Information Operations

5. CJCSM 6231, Joint Tactical Communication Systems Manuals

6. CJCSM 6231.07, Joint Network Management and Control

7. DOD 5200.40, DOD Information Technology Security Certification and Accreditation Process (DITSCAP)

8. JT PUB 6-05.7, Joint Network Management and Control Systems

9. MCWP 6-22, Communication and Information Systems

10. NAVSO P-5239-04, Information Systems Security Manager Guidebook

11. NAVSO P-5239-08, Network Security Officer's Guidebook

12. NAVSO P-5239-13, Certification and Accreditation Guidebook

13. NAVSO P-5239-16, Risk Assessment Guidebook

ADMINISTRATIVE INSTRUCTIONS: At a minimum, the following should be considered when writing a Data Communications Network plan:

a. End User services.

b. IP management.

c. Disaster Recovery Plan.

d. Fault tolerance and redundancy.

e. Configuration management.

TASK: 0602.04.05 (CORE) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF THE JTF

CONDITION(S): Provided planning documents, Commander's guidance, and references.

Appendix A to
ENCLOSURE (6)

STANDARD(S): To provide the Commander a reliable, secure, fast, and flexible Data Communications Network, per the references.

PERFORMANCE STEPS:

    1. Ensure adherence to all safety procedures.

    2. Ensure proper grounding of equipment.

    3. Review the plan.

    4. Assign resources, e.g., time, equipment, and personnel.

    5. Ensure adherence to C2 protect measures.

    6. Inspect for adherence to the plan.

    7. Maintain the ability to conduct Disaster Recovery.

    8. Review/Adapt plan, as required.

    9. Conduct performance monitoring and tuning of networks.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Capt

REFERENCE(S):

    1. ADPE Security Order

    2. Applicable Technical Publications/Manuals

    3. Consolidated Memorandum Receipt (CMR)

    4. DISA Defense Information System Network Integrated Tactical - Strategic Data Networking (ITSDN) Internet Protocol Addressing Plan

    5. Unit SOP

    6. CJCSM 6231, Joint Tactical Communication Systems Manuals

    7. MCWP 6-22, Communication and Information Systems

ADMINISTRATIVE INSTRUCTIONS: At a minimum, the following should be considered when supervising Data Communications Network:

    a. IP management.

    b. Notify NOC on pending deployment.

    c. User training.

    d. Periodic virus scan/updates to virus software.

Appendix A to
ENCLOSURE (6)

TASK: 0602.04.06 (CORE) WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To ensure reliable, secure, fast, and flexible Data Communications Network, per the references.

PERFORMANCE STEPS:

    1. Analyze planning documents.

    2. Identify requirements.

    3. Identify resources.

    4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

    5. Develop a draft plan.

    6. Evaluate/Staff plan, as required.

    7. Finalize the plan.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Maj

REFERENCE(S):

    1. Applicable Technical Publications/Manuals

    2. Consolidated Memorandum Receipt (CMR)

    3. Unit SOP

    4. CJCSM 6231, Joint Tactical Communication Systems Manuals

    5. MCWP 6-22, Communication and Information Systems

ADMINISTRATIVE INSTRUCTIONS: At a minimum, the following should be considered when writing a Data Communications Network plan:

    a. End User services.

    b. IP management.

    c. Disaster Recovery Plan.

    d. Fault tolerance and redundancy.

    e. Configuration management.

TASK: 0602.04.07 (CORE) SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To provide the Commander a reliable, secure, fast, and flexible Data Communications Network, per the references.

PERFORMANCE STEPS:

1. Ensure adherence to all safety procedures.

2. Ensure proper grounding of equipment.

3. Review the plan.

4. Assign resources, e.g., time, equipment, and personnel.

5. Ensure adherence to C2 protect measures.

6. Inspect for adherence to the plan.

7. Maintain the ability to conduct Disaster Recovery.

8. Review/Adapt plan, as required.

9. Conduct performance monitoring and tuning of networks.

INITIAL TRAINING SETTING: MOJT Sustainment: 12 Req By: Maj

REFERENCE(S):

1. ADPE Security Order

2. Applicable Technical Publications/Manuals

3. Consolidated Memorandum Receipt (CMR)

4. DISA Defense Information System Network Integrated Tactical - Strategic Data Networking (ITSDN) Internet Protocol Addressing Plan

5. Unit SOP

6. CJCSM 6231, Joint Tactical Communication Systems Manuals

7. MCWP 6-22, Communication and Information Systems

ADMINISTRATIVE INSTRUCTIONS: At a minimum, the following should be considered when supervising Data Communications Network:

a. IP management.

b. Notify NOC on pending deployment.

c. User training.

d. Periodic virus scan/updates to virus software.

Appendix A to
ENCLOSURE (6)

DUTY AREA 05 - POWER

TASK: 0602.05.01 (CORE) DETERMINE MOBILE ELECTRIC POWER (MEP) REQUIREMENTS FOR A C2S

CONDITION(S): Provided planning documents, power consumption of terminal equipment and other devices used by the unit, capabilities of MEP units, and references.

STANDARD(S): To ensure proper C2S power requirements are met, per the references.

PERFORMANCE STEPS:

1. List equipment per site requiring mobile electrical power.

2. Determine power distribution needs of equipment.

3. Coordinate with appropriate agency to determine engineer requirements.

4. Plan for proper grounding.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. Unit Table of Equipment (T/E)

5. MCWP 6-22, Communication and Information Systems

DUTY AREA 06 - SECURITY

TASK: 0602.06.01 (CORE) WRITE A PLAN FOR C2S PROTECTION

CONDITION(S): Provided a concept of operations, threat condition, Commander's guidance, and the references.

STANDARD(S): To ensure the protection of friendly C2S against hostile Command, Control and Communication Countermeasures (C3CM), per the references.

PERFORMANCE STEPS:

1. Analyze planning documents.

2. Determine requirements for the following:

   a. Cryptosecurity.

   b. Transmission security.

   c. Emission security.

   d. Physical security.

   e. Information security.

   f. Information assurance.

3. Identify resources.

4. Coordinate with senior/adjacent/subordinate units and cognizant staff officers.

5. Develop a draft plan.

6. Evaluate/Staff plan, as required.

7. Finalize the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. ADPE Security Order

2. Applicable Technical Publications/Manuals

3. Command and Control Systems Protection Plan

4. Consolidated Memorandum Receipt (CMR)

5. Intertheater COMSEC Package (ICP) Distribution Scheme (REDBOOK)

6. Unit SOP

7. ACP-122, Communications Instruction - Security

8. ASC-2, GMFSC Anti-jam Operating Procedures

Appendix A to
ENCLOSURE (6)

9. CJCSM 6231, Joint Tactical Communication Systems Manuals

10. DOD 5200.28-STD, DOD Trusted Computer System Evaluation Criteria

11. DOD 5200.40, DOD Information Technology Security Certification and Accreditation Process (DITSCAP)

12. EXECUTIVE ORDER 12958, Classified National Security Information

13. NAVSO P-5239-08, Network Security Officer's Guidebook

14. OPNAVINST 5605, Physical Security

TASK: 0602.06.02 (CORE) SUPERVISE THE EXECUTION OF C2S PROTECTION PLAN

CONDITION(S): Provided planning documents, Commander's guidance, and references.

STANDARD(S): To prevent information from being compromised/disrupted, per the references.

PERFORMANCE STEPS:

1. Ensure adherence to all safety procedures.

2. Ensure proper grounding of equipment.

3. Review the plan.

4. Assign resources, e.g., time, equipment and personnel.

5. Ensure compliance with COMSEC, INFOSEC and Information Assurance procedures and regulations.

6. Adapt protection measures to changing threat conditions.

7. Inspect for adherence to the plan.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. STU-III/SECTEL User's Guide

3. Unit SOP

4. Windows NT Security, Charles B. Rutstein, National Computer Security Association. Mcgraw Hill, 1997

5. ACP-122, Communications Instruction - Security

6. ASC-2, GMFSC Anti-jam Operating Procedures

7. CJCSM 6231, Joint Tactical Communication Systems Manuals

Appendix A to
ENCLOSURE (6)

8. CJCSM 6231.07, Joint Network Management and Control

9. CMS-6, STU III Key Management

10. DOD 5200.28, Security Requirements for Automated Information Systems (AIS)

11. DOD 5200.40, DOD Information Technology Security Certification and Accreditation Process (DITSCAP)

12. MCO 5510.14, Marine Corps ADP Security Manual

13. OPNAVINST 5510.1, Information and Personnel Security Program

14. OPNAVINST 5530.14C, Department of the Navy Physical Security Program

15. OPNAVINST 5605, Physical Security

16. OPNAVINST P5510.1, Department of the Navy Information and Personnel Security Program Regulations

17. PUBLIC LAW 100-235, Computer Security Act of 1987

18. SECNAVINST 5239.3, DON Information Systems Security (INFOSEC) Program

19. SECNAVINST 5510.30A, Department of the Navy Personal Security Program

20. SECNAVINST 5510.36, DON Information Security Program (ISP) Regulation

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TASK: 0602.06.03 (CORE) SUPERVISE THE MANAGEMENT OF THE UNIT'S COMSEC MATERIAL SYSTEM (CMS)/ELECTRONIC KEY MANAGEMENT SYSTEM (EKMS) ACCOUNT

CONDITION(S): Provided Commander's guidance and the references.

STANDARD(S): To ensure compliance for the management of the unit's CMS/EKMS account, per the references.

PERFORMANCE STEPS:

1. Identify CMS/EKMS requirements.

2. Verify unit clearance/access rosters.

3. Monitor adherence to current CMS/EKMS regulations.

4. Monitor COMSEC incident reports, as required.

5. Review Emergency Action Plan (EAP) and recommend changes/updates, as required.

6. Recommend drills to test EAP and recommend changes for improvements.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

Appendix A to
ENCLOSURE (6)

2. CMS-1_, COMSEC Material System Policy & Procedures Manual

3. CMS-21, COMSEC Material System Policy and Procedures

4. CMS-3B, EKMS Inspection Manual

5. CMS-5, Cryptographic Equipment Information/Guidance Manual

6. CMS-6, STU III Key Management

7. CMS-9, DON Certification Authority Policy and Procedures (DRAFT)

DUTY AREA 07 - HAZMAT

TASK: 0602.07.01 (CORE) PLAN FOR HANDLING, EMBARKATION, STORAGE, MANAGEMENT, AND DISPOSAL OF HAZARDOUS MATERIAL (HAZMAT)

CONDITION(S): Provided a tactical or garrison environment, any hazardous material, applicable Material Safety Data Sheets, and references.

STANDARD(S): To ensure proper handling, embarkation, storage, management, and disposal of HAZMAT, per the references.

PERFORMANCE STEPS:

1. Review the references to include International, Federal, State, and Local EPA requirements.

2. Identify HAZMAT.

3. Identify safety procedures used when handling HAZMAT.

4. Determine requirements for:

   a. Packaging.

   b. Labeling.

   c. Storage and handling to include protective equipment.

   d. Spill response and notification procedures.

   e. Embarkation.

   f. Disposal.

5. Adhere to disposal requirement stated on Material Safety Data Sheets.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. SB, Battery Procedures

TASK: 0602.07.02 (CORE) SUPERVISE THE HANDLING, EMBARKATION, STORAGE, MANAGEMENT, AND DISPOSAL OF HAZARDOUS MATERIAL (HAZMAT)

CONDITION(S): Provided a tactical or garrison environment, any hazardous material, applicable Material Safety Data Sheets, safety equipment, and references.

STANDARD(S): To ensure proper handling, embarkation, storage, management, and disposal of HAZMAT, per the references.

Appendix A to
ENCLOSURE (6)

PERFORMANCE STEPS:

1. Ensure adherence to all safety procedures.

2. Review the plan.

3. Assign resources, e.g., time, equipment and personnel.

4. Inspect for adherence to appropriate regulations.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S): (NONE)

DUTY AREA 08 - MAINTENANCE

TASK: 0602.08.01 (CORE) SUPERVISE THE MAINTENANCE MANAGEMENT OF C2S EQUIPMENT

CONDITION(S): Provided maintenance management records (LM2, DPR) and schedules, mission, T/O&E, and references.

STANDARD(S): To ensure a Combat Readiness Level C-2 or higher by scheduling, directing and supervising the care, inspection, and maintenance of the equipment, per the reference.

PERFORMANCE STEPS:

1. Adhere to all safety procedures.

2. Determine maintenance requirements.

3. Determine maintenance capabilities.

4. Identify personnel available to perform maintenance.

5. Establish shop organization.

6. Establish maintenance priorities per the Commander's guidance.

7. Ensure compliance with unit E3 program.

8. Analyze maintenance workload.

9. Assign special projects, as required.

10. Inspect completed maintenance actions.

11. Interpret and analyze maintenance and supply reports.

12. Submit Quality Deficiency Report (QDR), as required.

13. Adhere to warranty procedures for designated equipment.

14. Coordinate with company technical representatives, as required.

15. Brief the Commander and staff on status of C2S equipment.

INITIAL TRAINING SETTING: FLC Sustainment: 12 Req By: 2ndLt

REFERENCE(S):

1. Applicable Technical Publications/Manuals

2. Consolidated Memorandum Receipt (CMR)

3. Unit SOP

4. MCO P4400.150, Consumer Level Supply Policy Manual

5. MCO P4790.2B, MIMMS Field Procedures Manual

Appendix A to
ENCLOSURE (6)

6. MCO P5600.31, Marine Corps Publication and Printing Regulations

SUMMARY/INDEX OF INDIVIDUAL TRAINING STANDARDS BY SPECIFIC CATEGORY (MOJT, DL, PST)

1. This enclosure summarizes the Individual Training Standards (ITS) according to three categories:

    Appendix A: ITSs Trained via Managed On-The-Job Training (MOJT)

    Appendix B: ITSs Supported by Distance Learning (DL) Products

    Appendix C: ITSs Supported by Performance Support Tools (PST)

2. If no information is applicable to a category, the appendix will include a statement to that effect.

3. Format. The columns in each appendix are as follows:

    a. SEQ. Sequence Number. This number dictates the order in which tasks for a given duty area are displayed.

    b. TASK. ITS Designator. This is the permanent designator assigned to the task when it is created.

    c. TITLE. ITS Task Title.

    d. CORE. An "X" appears in this column when the task is designated as a "core" task required to "make" a Marine or qualify that Marine for the appropriate MOS. The absence of an "X" indicates that this is an advanced ("core plus") task that is mission, grade, or billet specific.

    e. FLC. Functional Learning Center. An "X" appears in this column when the FLC is designated as the initial training setting. The absence of an "X" indicates that the initial training is accomplished through Managed On-The-Job Training (MOJT).

    f. DL. Distance Learning (DL) Product. An "X" in this column indicates that at least one DL product is associated with this task. Consult enclosure (6) for details.

    g. PST. Performance Support Tool (PST). An "X" in this column indicates that at least one PST is associated with this task. Consult enclosure (6) for details.

    h. SUS. Sustainment Training Period. An entry in this column represents the number of months between evaluation or retraining by the unit to maintain the proficiency required by the standard, provided the task supports the unit's METL.

    i. REQ BY. Required By. An entry in this column depicts the lowest grade required to demonstrate proficiency in this task.

    j. PAGE. Page Number. This column lists the number of the page in enclosure (6) that contains detailed information concerning this task.

INDIVIDUAL TRAINING STANDARDS TRAINED VIA MANAGED ON-THE-JOB TRAINING

This appendix includes a summary listing of all ITS tasks planned for initial Managed On-The-Job Training (MOJT). They are grouped by MOS and Duty Area.

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE

MOS 0602, Command and Control Systems Officer

DUTY AREA 01 - COMMAND AND CONTROL SYSTEMS (C2S) PLANS AND ORDERS

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
4) 0602.01.04	WRITE/UPDATE C2S STANDING OPERATING PROCEDURES (SOP)					12	1stLt	6-A-3
5) 0602.01.05	MANAGE C2S TRAINING					12	1stLt	6-A-4
6) 0602.01.06	WRITE A PLAN FOR C2S SUPPORT OF MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-5
7) 0602.01.07	WRITE THE PLAN FOR C2S SUPPORT OF JOINT/COMBINED AND INTER-AGENCY OPERATIONS	X				12	Maj	6-A-5

DUTY AREA 02 - TRANSMISSION SYSTEMS AND NETWORKS

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
3) 0602.02.03	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A SINGLE CHANNEL (HF, VHF, UHF, OR UHF SATCOM) RADIO NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-8
4) 0602.02.04	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A SINGLE CHANNEL (HF, VHF, UHF, OR UHF SATCOM) RADIO NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-9
6) 0602.02.06	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO SYSTEM IN SUPPORT OF A MAGTF ELEMENT					12	1stLt	6-A-11
7) 0602.02.07	WRITE A PLAN FOR INSTALLATION, OPERATION, AND MAINTENANCE OF THE ENHANCED POSITION LOCATION AND REPORTING SYSTEM (EPLRS)					12	1stLt	6-A-11
8) 0602.02.08	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF THE EPLRS NETWORK CONTROL STATION (NCS)					12	1stLt	6-A-12
9) 0602.02.09	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MUTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-13
10) 0602.02.10	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO SYSTEM IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-13

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
11) 0602.02.11	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF AND EHF) RADIO NETWORK IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS	X				12	Maj	6-A-14
12) 0602.02.12	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A MULTICHANNEL (UHF, SHF, TO INCLUDE GMF, AND EHF) RADIO SYSTEM IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS	X				12	Maj	6-A-15

DUTY AREA 03 - SWITCHES AND SWITCHED NETWORKS

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
3) 0602.03.03	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-18
4) 0602.03.04	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF THE JTF	X				12	Capt	6-A-19
5) 0602.03.05	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS	X				12	Maj	6-A-19
6) 0602.03.06	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF VOICE AND MESSAGE SWITCHING NETWORKS IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS	X				12	Maj	6-A-20

DUTY AREA 04 - DATA COMMUNICATIONS NETWORKS

SEQ TASK	TITLE	CORE	FLC	DL	PST	SUS	REQ BY	PAGE
3) 0602.04.03	PROCURE COMMERCIAL OFF-THE-SHELF (COTS) C2 SYSTEMS AND SOFTWARE					12	1stLt	6-A-24
4) 0602.04.04	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF A JTF	X				12	Capt	6-A-24
5) 0602.04.05	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF A MAGTF/MARFOR COMPONENT OF THE JTF	X				12	Capt	6-A-25
6) 0602.04.06	WRITE A PLAN FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS	X				12	Maj	6-A-27
7) 0602.04.07	SUPERVISE THE INSTALLATION, OPERATION, AND MAINTENANCE OF A DATA COMMUNICATIONS NETWORK IN SUPPORT OF JOINT/COMBINED AND INTERAGENCY OPERATIONS	X				12	Maj	6-A-27

Appendix A to
ENCLOSURE (7)

<u>INDIVIDUAL TRAINING STANDARDS SUPPORTED BY DISTANCE LEARNING PRODUCTS</u>

There are no Distance Learning Products assigned to any tasks in this order.

INDIVIDUAL TRAINING STANDARDS SUPPORTED BY PERFORMANCE SUPPORT TOOLS

There are no performance support tools assigned to any tasks in this order.